

SEQUENCE LISTING

<110> CASSART, JEAN-PAUL
VINALS, CARLOTA
GAULIS, SWANN
CABEZON, TERESA
COCHE, THIERRY

<120> TUMOUR-SPECIFIC ANIMAL PROTEINS

<130> BC45300

<140> TO BE ASSIGNED

<141> 2003-08-28

<150> 10/226,872

<151> 2002-08-23

<150> PCT/EP01/01779

<151> 2001-02-16

<150> GB 0004269.7

<151> 2000-02-23

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<151> 2000-04-20

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<150> PCT/EP02/05011

<151> 2001-05-16

<150> PCT/EP02/01649

<151> 2001-02-21

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<170> FastSEQ for Windows Version 4.0

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<210> 2
<211> 193

<212> PRT

<213> Homo sapiens

<400> 2

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35 40 45
Ala Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg Asn Arg Val Lys
50 55 60
Leu Val Asn Leu Gly Phe Gln Ala Leu Arg Gln His Val Pro His Gly
65 70 75 80
Gly Ala Ser Lys Lys Leu Ser Lys Val Glu Thr Leu Arg Ser Ala Val
85 90 95
Glu Tyr Ile Arg Ala Leu Gln Arg Leu Leu Ala Glu His Asp Ala Val
100 105 110
Arg Asn Ala Leu Ala Gly Gly Leu Arg Pro Gln Ala Val Arg Pro Ser
115 120 125
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130 135 140
Arg Ala Ser Ser Ser Pro Gly Arg Gly Gly Ser Ser Glu Pro Gly Ser
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<210> 3

<211> 262

<212> PRT

<213> Homo sapiens

<400> 3

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Ala Ala Arg Gly Ala Gln Thr Ala Ala Arg Pro Ala Ala Ser Ala Leu			
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Pro Pro Ala Arg Cys Ala Arg Arg Arg Ala Arg Pro Ala Gly Ala Ala			
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Ala Arg Gly Cys Thr Pro Arg Leu Ser Ala Ala Ser Pro Pro Cys Ser			
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Ala Ser Cys Trp Arg Arg Arg Ala Ala Arg Ala Ala Ala Pro Gly			
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Ser Pro Ser Ser Pro Ala Ser Arg Gly Cys Ala Arg Ala His Cys Ala			
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Ala Leu Arg Pro Leu Arg Arg Leu Arg Ser Leu Arg Trp Pro Val Ala			
165	170	175	
Ala Ala Gly Cys Ser Ala Thr Val Pro Gly Thr Arg Val Ser Ala Gly			
180	185	190	
Gln Arg Ser Arg Gln Gly Arg Gly Ala Gln Gly Ala Arg Thr Trp Ala			
195	200	205	
Val Cys Arg Arg Pro Ser Arg Leu His Pro Pro Ala Arg Ser Arg Ser			
210	215	220	
Arg Arg Ala Ala Gly Arg Cys Arg Gln Arg Asn Arg Arg Arg Arg Gly			
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<211> 1830

<212> DNA

<213> Homo sapiens

<400> 4

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<210> 5

<211> 587

<212> DNA

<213> Homo sapiens

<400> 5

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<210> 6

<211> 1791

<212> DNA

<213> Homo sapiens

<400> 6

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<210> 7

<211> 361

<212> PRT

<213> Homo sapiens

<400> 7

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145					150					155				160	
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			165					170					175		
Trp	Ser	Leu	Ala	Ala	Arg	Gly	Ala	Gln	Thr	Ala	Ala	Arg	Pro	Ala	Ala
		180					185					190			
Ser	Ala	Leu	Pro	Pro	Ala	Arg	Cys	Ala	Arg	Arg	Arg	Ala	Arg	Pro	Ala
	195					200					205				
Gly	Ala	Ala	Ala	Arg	Gly	Cys	Thr	Pro	Arg	Leu	Ser	Ala	Ala	Ser	Pro

210	215	220
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	245	250
His Cys Ala Ala Leu Arg Pro Leu Arg Arg Leu Arg Ser Leu Arg Trp		255
	260	265
Pro Val Ala Ala Ala Gly Cys Ser Ala Thr Val Pro Gly Thr Arg Val		270
	275	280
Ser Ala Gly Gln Arg Ser Arg Gln Gly Arg Gly Ala Gln Gly Ala Arg		285
	290	300
Thr Trp Ala Val Cys Arg Arg Pro Ser Arg Leu His Pro Pro Ala Arg		
305	310	315
Ser Arg Ser Arg Arg Ala Ala Gly Arg Cys Arg Gln Arg Asn Arg Arg		320
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Arg Arg Gly Lys Leu Trp Arg Pro Lys Gly Ala Ser Gly Thr Ala Pro		335
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<210> 8

<211> 849

<212> DNA

<213> Influenzae virus and Homo sapiens

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<210> 9

<211> 849

<212> DNA

<213> Influenzae virus and Homo sapiens

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<210> 10

<211> 282

<212> PRT

<213> Influenzae virus and Homo sapiens

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35 40 45
Thr Leu Gly Leu Asp Ile Glu Thr Ala Thr Arg Ala Gly Lys Gln Ile
50 55 60
Val Glu Arg Ile Leu Lys Glu Glu Ser Asp Glu Ala Leu Lys Met Thr

65		70		75		80									
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Pro	Val	Gly	Cys	Ala	Ala	Arg	Arg	Arg	Pro	Ala	Ser	Pro	Glu	Leu	Leu
		100		105		110									
Arg	Cys	Ser	Arg	Arg	Arg	Arg	Pro	Ala	Thr	Ala	Glu	Thr	Gly	Gly	Gly
		115		120		125									
Ala	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	Asn	Arg	Val	Lys
		130		135		140									
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Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Arg	Leu	Leu	Ala	Glu	His	Asp	Ala	Val
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225			230			235								240	
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Ser	Pro	Ala	Glu	Arg	Glu	Leu	Leu	Asp	Phe	Ser	Ser	Trp	Leu	Gly	Gly
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<210> 11
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 <212> PRT
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<400> 11
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35	40	45
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Leu Gln Arg Asn Ser Ser Gly Asp Ala Gly Leu Arg Arg Ala Ala Gln		
65	70	75
Pro Thr Gly Thr Gly Gly Ala Gly Gly Ala Asp Leu Gly Ser Val Pro		
85	90	95
Pro Ser Ile Ala Pro Ala Ser Thr Arg Pro Leu Gln Val Pro Ala Arg		
100	105	110
Arg Arg Lys Val Gln Ala Glu Glu Pro Glu Ala Thr Gly Lys Thr Val		
115	120	125
Ala Pro Gln Gly Gly Phe Trp His Gly Ala Ala Arg Gln Leu Pro Arg		
130	135	140
Ala Arg Val Leu Gly Arg Leu Glu Pro Gly Asp Arg Arg Pro Ser Gly		
145	150	155
Gly Arg Pro Tyr Ala Pro Gly Ser Val Gly Arg Ser Cys Pro Ala Arg		
165	170	175
Ala Ala Gly Leu Ser Gln Val Ser Ala Gly Ala Ala Gln Ala Ala Gly		
180	185	190
Phe		

<210> 12
 <211> 263
 <212> PRT
 <213> Mus musculus

<400> 12

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Ser Asp Ala Cys Pro Arg Glu Ser Cys Ser Ser Ala Leu Pro Glu Ala
20 25 30
Arg Glu Gly Ala Asn Val His Phe Pro Pro His Pro Val Pro Arg Glu
35 40 45
His Phe Ser Cys Ala Ala Pro Glu Leu Val Ala Gly Ala Gln Gly Leu
50 55 60
Asn Ala Ser Leu Met Asp Gly Gly Ala Leu Pro Arg Leu Met Pro Thr
65 70 75 80
Ser Ser Gly Val Ala Gly Ala Cys Ala Ala Arg Arg Arg Gln Ala Ser

	85		90		95										
Pro	Glu	Leu	Leu	Arg	Cys	Ser	Arg	Arg	Arg	Arg	Ser	Gly	Ala	Thr	Glu
	100						105						110		
Ala	Ser	Ser	Ser	Ser	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg
	115						120						125		
Asn	Arg	Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Gln	Ala	Leu	Arg	Gln	His
	130						135						140		
Val	Pro	His	Gly	Gly	Ala	Asn	Lys	Lys	Leu	Ser	Lys	Val	Glu	Thr	Leu
145					150					155					160
Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Arg	Leu	Leu	Ala	Glu
			165				170							175	
His	Asp	Ala	Val	Arg	Ala	Ala	Leu	Ala	Gly	Gly	Leu	Leu	Thr	Pro	Ala
	180						185							190	
Thr	Pro	Pro	Ser	Asp	Glu	Cys	Ala	Gln	Pro	Ser	Ala	Ser	Pro	Ala	Ser
	195						200						205		
Ala	Ser	Leu	Ser	Cys	Ala	Ser	Thr	Ser	Pro	Ser	Pro	Asp	Arg	Leu	Gly
	210						215						220		
Cys	Ser	Glu	Pro	Thr	Ser	Pro	Arg	Ser	Ala	Tyr	Ser	Ser	Glu	Glu	Ser
225					230					235					240
Ser	Cys	Glu	Gly	Glu	Leu	Ser	Pro	Met	Glu	Gln	Glu	Leu	Leu	Asp	Phe
			245				250							255	
Ser	Ser	Trp	Leu	Gly	Gly	Tyr									
	260														

<210> 13

<211> 1051

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (810)

<223> Wherein n can be a, c, t, or g

<400> 13

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ggagggcgta agaaaggagg cgggtggcggg gcggaggaga ttatctatac tttttaaaaa 180
aaaggagcct cttagccgcg taaaggagac ttggggagcgc cctgacagca cgcgcgggac 240

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acgagagtac cacgcttccc tactcttttc agaccttgac tggtagcggg tcccaggact 300
gcaggaggcc agcgacgcgt gccctaggga gtcctgcagc agtgccctgc ctgaggcccc 360
tgaagggtgca aacgtccact tcccaccgca cccgggttcct cgcgagcact tttcctgtgc 420
cgcaccagaa ctcgtagcag gggcccaggg gctgaatgca agcttgatgg acggcggcgc 480
gctgcccaga ctcattgccc cctcgtctgg agtcgctgga gcctgcgctg ctcggcggag 540
acaagcgtct ccggaattgc tgcgctgcag ccggcggcgg cgatctggag caaccgaggc 600
cagcagcagc tcggcgctcc tggcacgccg caatgagcgc gagcgcaacc gcgtaaagct 660
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<210> 14

<211> 260

<212> PRT

<213> Rattus rattus

<400> 14

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Met Glu Ser His Phe Asn Trp Tyr Gly Val Pro Arg Leu Gln Lys Ala
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Ser Asp Ala Cys Pro Arg Glu Ser Cys Ser Ser Ala Leu Pro Glu Ala
      20             25            30
Arg Glu Gly Ala Asn Val His Phe Pro Pro His Pro Val Pro Arg Glu
      35             40            45
His Phe Ser Cys Gly Ala Pro Lys Pro Val Ala Gly Ala Pro Ala Leu
      50             55            60
Asn Ala Ser Leu Met Asp Gly Gly Ala Leu Pro Arg Leu Val Pro Thr
65             70             75            80
Ser Ser Gly Val Ala Gly Ala Cys Thr Ala Arg Arg Arg Pro Pro Ser
      85             90            95
Pro Glu Leu Leu Arg Cys Ser Arg Arg Arg Arg Ser Gly Ala Thr Glu
      100            105            110
Ala Ser Ser Ser Ser Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg
      115            120            125
Asn Arg Val Lys Leu Val Asn Leu Gly Phe Gln Ala Leu Arg Gln His
      130            135            140
Val Pro His Gly Gly Ala Asn Lys Lys Leu Ser Lys Val Glu Thr Leu

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145		150		155		160									
Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Arg	Leu	Leu	Ala	Glu
		165					170					175			
His	Asp	Ala	Val	Arg	Ala	Ala	Leu	Ser	Gly	Gly	Leu	Leu	Thr	Pro	Ala
		180					185					190			
Thr	Arg	Pro	Ser	Asp	Val	Cys	Thr	Gln	Pro	Ser	Ala	Ser	Pro	Ala	Ser
		195					200					205			
Ala	Ser	Leu	Ser	Cys	Thr	Ser	Thr	Ser	Pro	Asp	Arg	Leu	Gly	Cys	Ser
		210					215					220			
Glu	Pro	Ala	Ser	Pro	Arg	Ser	Ala	Tyr	Ser	Ser	Glu	Asp	Ser	Ser	Cys
225				230					235				240		
Glu	Gly	Glu	Thr	Tyr	Pro	Met	Gly	Gln	Met	Phe	Asp	Phe	Ser	Asn	Trp
		245						250					255		
Leu	Gly	Gly	Tyr												
		260													

<210> 15
 <211> 1526
 <212> DNA
 <213> Rattus rattus

<400> 15

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gagtgcggga cgtgcggagc gcagttcggg atctgcactc gaggacttgt cgaggacgca 180
ttaagctaag catctgctcg gagcatggaa tcgcacttta actggtacgg ggtcccaagg 240
ctccagaagg ctagecgacgc gtgccctagg gaatcctgca gcagtgcctt gcctgaggcc 300
cgtgaagggt cgaacgtcca ctccccaccg cacccggttc ctgcgcagca cttttcctgt 360
ggcgccaccg aacccgtagc gggggccccc gcgctgaatg caagcttgat ggacggcggc 420
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agacccccgt ccccggaact gcttcgctgc agccgacggc ggcgatcggg agcaaccgag 540
gccagcagca gctcggcggc cgtggcacgc cgcaatgagc gtgagcgcaa ccgcgtaaag 600
ctggtaaaact tgggcttcca ggcgctgcgg cagcacgtgc cgcacggcgg cgccaacaag 660
aagctgagta aggtggagac gctgcgctcc gcggtagagt acatccgtgc gctgcagcgg 720
ctgctagcag agcacgacgc ggtgcgtgct gcgctctctg ggggtctatt aacaccgct 780
actcggccgt ccgatgtgtg cagcgagccc tcgcctccc ctgccagcgc gtctctgtcc 840
tgcacctcta catccccaga ccgcctaggc tgctccgagc ctgcctctcc gcgctccgcc 900
tactcgtcgg aggacagcag ctgcgagggg gagacttacc cgatggggca gatgtttgac 960
ttttccaatt ggtagggggg ctactgagca cccacacccc ctaagctgcg tcctgggtg 1020

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tcccctggtg gacctacctg cgtttcttgc ccaggaaacc tgggcccacg ccttacctat 1080
 gctgtctagt gcagcctgac caaatgccaa gtactgacct ctgctcggcc tccacgcgcg 1140
 ggaatgacat cttccatctc ccagtccttg ccgaaccagg acttggaat ttctcaggag 1200
 aaagaatttt acaatgacaa tctgcttttt atcaattaac ttgaactgct ggaggactct 1260
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 agttgttttt cattggaaag gaattc 1526

<210> 16

<211> 10

<212> PRT

<213> Homo sapiens

<400> 16

Lys Leu Val Asn Leu Gly Phe Gln Ala Leu

1

5

10

<210> 17

<211> 9

<212> PRT

<213> Homo sapiens

<400> 17

Glu Leu Leu Asp Phe Ser Ser Trp Leu

1

5

<210> 18

<211> 9

<212> PRT

<213> Homo sapiens

<400> 18

Arg Leu Leu Ala Glu His Asp Ala Val

1

5

<210> 19
<211> 9
<212> PRT
<213> Homo sapiens

<400> 19
Lys Leu Val Asn Leu Gly Phe Gln Ala
1 5

<210> 20
<211> 9
<212> PRT
<213> Homo sapiens

<400> 20
Glu Tyr Ile Arg Ala Leu Gln Arg Leu
1 5

<210> 21
<211> 10
<212> PRT
<213> Homo sapiens

<400> 21
Glu Tyr Ile Arg Ala Leu Gln Arg Leu Leu
1 5 10

<210> 22
<211> 10
<212> PRT
<213> Homo sapiens

<400> 22
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1 5 10

<210> 23
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<212> PRT
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<400> 23
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1 5 10

<210> 24
<211> 10
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<400> 24
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<210> 25
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<212> PRT
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<400> 25
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<210> 26
<211> 9
<212> PRT
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<400> 26
Leu Arg Pro Gln Ala Val Arg Pro Ser
1 5

<210> 27
<211> 9
<212> PRT
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<400> 27
Leu Arg Gln His Val Pro His Gly Gly
1 5

<210> 28
<211> 9
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<213> Homo sapiens

<400> 28
Leu Gly Phe Gln Ala Leu Arg Gln His
1 5

<210> 29
<211> 9
<212> PRT
<213> Homo sapiens

<400> 29
Val Arg Asn Ala Leu Ala Gly Gly Leu
1 5

<210> 30
<211> 9
<212> PRT
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<400> 30
Tyr Ile Arg Ala Leu Gln Arg Leu Leu
1 5

<210> 31
<211> 9
<212> PRT
<213> Homo sapiens

<400> 31
Leu Val Asn Leu Gly Phe Gln Ala Leu
1 5

<210> 32
<211> 9
<212> PRT
<213> Homo sapiens

<400> 32
Val Glu Tyr Ile Arg Ala Leu Gln Arg
1 5

<210> 33
<211> 9
<212> PRT
<213> Homo sapiens

<400> 33
Leu Leu Arg Cys Ser Arg Arg Arg Arg
1 5

<210> 34
<211> 654
<212> DNA
<213> Homo sapiens

<400> 34
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gcgtccccgg aactgtttgc ctgcagccgg cggcggcgac cggccaccgc agagaccgga 180
ggcggcgagc cggccgtagc gcggcgcaat gagcgcgagc gcaaccgcgt gaagctggtg 240

aacttgggct tccagggcgt gcggcagcac gtgccgcacg gcggcgccag caagaagctg 300
agcaagggtg agacgtgcg ctcagccgtg gagtacatcc gcgcgctgca gcgcctgctg 360
gccgagcacg acgccgtgcg caacgcgctg gcgggagggc tgaggccgca ggccgtgcgg 420
ccgtctgcgc ccgcggggcc gccagggacc accccggctg ccgcctcgcc ctcccgcgct 480
tcttcgtccc cgggcccgcgg gggcagctcg gagcccggct ccccgcgctc cgcctactcg 540
tcggacgaca gcggctgcga aggcgcgctg agtcctgcgg agcgcgagct actcgacttc 600
tccagctggg taggggggcta cactagtctc gagcaccacc accaccacca ctga 654

<210> 35

<211> 217

<212> PRT

<213> Homo sapiens

<400> 35

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Gly	Gly	Thr	Leu	Pro	Arg	Ser	Ala	Pro	Pro	Ala	Pro	Pro	Val	Pro	Val
			20					25					30		
Gly	Cys	Ala	Ala	Arg	Arg	Arg	Pro	Ala	Ser	Pro	Glu	Leu	Leu	Arg	Cys
		35					40				45				
Ser	Arg	Arg	Arg	Arg	Pro	Ala	Thr	Ala	Glu	Thr	Gly	Gly	Gly	Ala	Ala
	50					55				60					
Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	Asn	Arg	Val	Lys	Leu	Val
65					70					75				80	
Asn	Leu	Gly	Phe	Gln	Ala	Leu	Arg	Gln	His	Val	Pro	His	Gly	Gly	Ala
			85					90					95		
Ser	Lys	Lys	Leu	Ser	Lys	Val	Glu	Thr	Leu	Arg	Ser	Ala	Val	Glu	Tyr
		100					105					110			
Ile	Arg	Ala	Leu	Gln	Arg	Leu	Leu	Ala	Glu	His	Asp	Ala	Val	Arg	Asn
		115				120					125				
Ala	Leu	Ala	Gly	Gly	Leu	Arg	Pro	Gln	Ala	Val	Arg	Pro	Ser	Ala	Pro
	130					135				140					
Arg	Gly	Pro	Pro	Gly	Thr	Thr	Pro	Val	Ala	Ala	Ser	Pro	Ser	Arg	Ala
145				150					155					160	
Ser	Ser	Ser	Pro	Gly	Arg	Gly	Gly	Ser	Ser	Glu	Pro	Gly	Ser	Pro	Arg
			165					170				175			
Ser	Ala	Tyr	Ser	Ser	Asp	Asp	Ser	Gly	Cys	Glu	Gly	Ala	Leu	Ser	Pro
		180					185					190			
Ala	Glu	Arg	Glu	Leu	Leu	Asp	Phe	Ser	Ser	Trp	Leu	Gly	Gly	Tyr	Thr

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 210

200

215

205

<210> 36
 <211> 654
 <212> DNA
 <213> Homo sapiens

<400> 36
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 ggcggcgagc cggccgtagc gcggcgcaat gagcgcgagc gcaaccgcgt gaagctggtg 240
 aacttgggct tccaggcgct gcggcagcac gtgccgcacg gcggcgccag caagaagctg 300
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 tcggacgaca gcggctgcga aggcgcgctg agtcctgcgg agcgcgagct actcgacttc 600
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<210> 37
 <211> 654
 <212> DNA
 <213> Homo sapiens

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 tcggacgaca gcggctgcga aggcgcgctg agtcctgcgg agcgcgagct actcgacttc 600
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